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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.			
10/575,012	07/05/2006	Romain Desplats	0512-1332	7037			
466 Young & Ti	7590 08/08/2007		EXAMINER				
745 SOUTH 2	3RD STREET		PATIDA	PATIDAR, JAY M			
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AREINGTON	, 111 22202		2862				
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	•		08/08/2007	PAPER			

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

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		Application	No.	Applicant(s)			
Office Action Summary		10/575,012	•	DESPLATS ET AL.			
		Examiner		Art Unit			
		Jay M. Patio		2862			
The MAILING DATE of Period for Reply	this communication app	pears on the d	over sheet with the c	orrespondence address	s		
A SHORTENED STATUTOR WHICHEVER IS LONGER, F - Extensions of time may be available u after SIX (6) MONTHS from the mailin - If NO period for reply is specified abov - Failure to reply within the set or extend Any reply received by the Office later to earned patent term adjustment. See 3	FROM THE MAILING Dander the provisions of 37 CFR 1.1 g date of this communication. e, the maximum statutory period vided period for reply will, by statute than three months after the mailing	ATE OF THIS 136(a). In no event will apply and will e e, cause the applica	S COMMUNICATION , however, may a reply be time expire SIX (6) MONTHS from ation to become ABANDONE	N. nely filed the mailing date of this commun D (35 U.S.C. § 133).			
Status							
1) Responsive to commu	nication(s) filed on	<b>_</b> ·					
2a) ☐ This action is <b>FINAL</b> .	This action is <b>FINAL</b> . 2b)⊠ This action is non-final.						
	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
closed in accordance v	vith the practice under E	Ex parte Qua	yle, 1935 C.D. 11, 45	53 O.G. 213.			
Disposition of Claims							
4)	(s) is/are withdrawallowed. ected. objected to.	wn from cons					
Application Papers							
• • • • • • • • • • • • • • • • • • • •	is/are: a) acc at that any objection to the eet(s) including the correct	cepted or b) cepted or b) cepted or b) cepted or be	held in abeyance. See I if the drawing(s) is ob	e 37 CFR 1.85(a). jected to. See 37 CFR 1.1			
Priority under 35 U.S.C. § 119							
<ul> <li>12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).</li> <li>a) ☒ All b) ☐ Some * c) ☐ None of:</li> <li>1. ☐ Certified copies of the priority documents have been received.</li> <li>2. ☐ Certified copies of the priority documents have been received in Application No</li> <li>3. ☒ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).</li> <li>* See the attached detailed Office action for a list of the certified copies not received.</li> </ul>							
Attachment(s)  1) Notice of References Cited (PTO-2) Notice of Draftsperson's Patent D  3) Information Disclosure Statement Paper No(s)/Mail Date 4/7/06.	awing Review (PTO-948)		Interview Summary Paper No(s)/Mail Do Notice of Informal F Do	ate			

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1. The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed.

- 2. The lengthy specification has not been checked to the extent necessary to determine the presence of all possible minor errors. Applicant's cooperation is requested in correcting any errors of which applicant may become aware in the specification.
- 3. The abstract of the disclosure is objected to because the abstract does not set forth the nature and gist of the invention.

Correction is required. See MPEP § 608.01(b).

Claims 1-6,8-12 are objected to because of the following informalities:
 In claim 1, at line 2, "at least one MR" is claimed while at line 5 "two MRs"

are being claimed; the phrase "selected measurement axes are angularly offset" is not clearly defined and understood; it is unclear from the language of the claim

as to how they are angularly offset;

In claim 2, there is no antecedent basis for "same semi-conductor substrate" at line 4;

In claims 2-5,11, it is also unclear as to whether the sensors at line 2 or 3 are the same as the ones claimed in claim 1 or are different sensors;

In claim 3, the phrase "axes are perpendicular in pairs" is vague;

In claim 4, the phrases "sensors of each same pair" and "sensors of two separate pairs" are vague since it is not clear as to what is meant by "same pair" or "separate pair"; the structure or scope of the claim is unclear from the language of the claim;

In claim 5, the phrases "same triplet" are "separate triplets" are vague; the structure as claimed is not clearly understood;

In claim 6, it is unclear as to what is meant by "in accordance with two layers"; it is unclear as to what the layers are and how they are structurally cooperate with other elements of the device;

In claims 8,12, the phrase "sensors of the same layer" is vague since it there are only two sensors (as claimed in claim 1), are these both sensors on the same layer?

In claim 9, there is no antecedent basis for "same layer";

In claim 10, there is no antecedent basis for "various processing chains"; the phrase "processing chain" is unclear; it is not understood as to what the processing chain is and its function;

In claim 11, "perpendicular in pairs" is vague.

5. The following is a quotation of the appropriate paragraphs of 35

U.S.C. 102 that form the basis for the rejections under this section made in this

Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-12 (insofar as understood) are rejected under 35 U.S.C. 102(b) as being anticipated by Acker (6,427,314).

As to claims 1,6-9,12, Acker discloses a device measuring magnetic field including a plurality of magnetoresistive sensors wherein the measurement axes e.g. 250,262 are angularly offset (Fig. 9; col. 23, lines 33-49).

As to claims 2,11, the magnetoresistive sensors are mounted on the same substrate e.g. 254 (fig. 9).

As to claim 3, Acker discloses three magnetoresistive sensors being perpendicular to each other (fig. 9).

As to claims 4-5, the magnetoresistive sensors have their axes parallel and offset relative to each other (fig. 9, sensors on the side panel).

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As to claim 10, Acker discloses processing chain 256 for processing the signals from the magnetoresistive sensor elements (fig. 9).

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Note PTO-892.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jay M. Patidar whose telephone number is 571-272-2265. The examiner can normally be reached on M-Thur 7:00-5:30.

The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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August 1, 2007